

# Govosam Liquid Sampler

Miniature Sampler 2 & 10 ml  
Unique and smallest of the world



## For direct sampling in laboratory vials for GC applications

- Less sample handling, no exchange of sample bottles, prevent analysis errors
- Process optimization by taking representative liquid samples
- Small sample volumes, less waste, spent expensive sample!
- Safe, closed loop design sampling system, NO WASTE, NO POLLUTION, NO EMISSION

The GOVOSAM sampler from Mechatest is simply the smallest and best solution to take samples specific for laboratory and chromatography applications.

This unique sampler have a reputation for reliable service and provides accurate samples of many chemical samples, solvent mixtures (particularly aqueous mixtures), but also gasoline is typical the type of sample for which this sampler is ideal. It is this type of multicomponent mixtures for a successful sampling and analysis.

## KEY FEATURES

- Sample volumes 2 and 10 ml
- Max. Process pressure 8 barg (116 psig)
- Max. Vapor pressure 0.7 barg (10 psig)
- Safe (sampling) temperature 60°C (140°F)
- Minimal dead volume
- Two types of needles 0.6 mm or 1.2 mm
- Option: Spring return handle on valve

## BENEFITS

- Easy in operation and low maintenance.
- Fits direct to GC autosamplers
- Easier for operation and laboratory people
- No exchange of samples, safer for sample
- Better for the environment
- Representative sampling



# Govosam Sampler Configurator

Build an Govosam Liquid sampler ordering number by combining the designators in the sequence shown below

Designators		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	-	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
Example Ordering No.	GOV	-	1	1	1	0	1	-	0	0	V	0	X
Ordering No.		-						-					

## 1 BODY MATERIAL

- 1 316 SS (Standard)
- 2 Duplex
- 3 Hastelloy C-276

## 2 SAMPLE BOTTLE VOLUME <sup>(1)</sup>

- 0 2 ml (Standard)
- 1 10 ml

## 3 SEAT MATERIAL (BODY)

- T Teflon® - PTFE (Standard)
- P PEEK

## 4 PROCESS NEEDLE SIZE

- 1 0.6 mm outer diameter (inner diameter = 0.37 mm)
  - 2 1.2 mm outer diameter (inner diameter = 0.83 mm)
- (The needles are only available in 316 SS)

## 5 NEEDLE POINT STYLE

- 0 Lancet point (Standard)

## 6 SEAL MATERIAL (NEEDLE)

- T Teflon® - PTFE (Standard)
- V Viton® - FPM
- K Kalrez®
- B Buna-N

## 7 SAMPLER END CONNECTION

- 1 1/4" male NPT (standard)
- 2 Hoke® (direct connection)

(The needles are available in 316 SS (Standard), Duplex or Hastelloy C22)

## 8 VALVES SELECTIONS <sup>(2)</sup>

- 0 No Valve
- 1 Hoke® 3-Way Valve 1/4" female NPT
- 2 Hoke® 3-Way Valve 1/4" O.D. Gyrolok
- 3 Hoke® 3-Way Valve 6 mm O.D. Gyrolok
- 4 Hoke® 2-Way Valve 1/4" female NPT
- 5 Swagelok® 3-Way Valve 1/4" female NPT
- 6 Swagelok® 2-Way Valve 1/4" female NPT

## 9 SPRING RETURN HANDLE SELECTION

- 0 No spring return handle
- 1 3-Way spring return handle
- 2 2-Way spring return handle

## 10 OPTIONS <sup>(3)</sup>

- X No options
  - N NACE sour sample service
- (The sampler is available for sour sample service, all wetted parts in accordance with NACE MR0175/ISO15156)

- (1) The Mechatest GOVOSAM sampler is designed for 2 ml vials (standard diameter 11 mm) with cap and septum. Other vials and/or diameters available on request.
- (2) For Swagelok valve select for designator (7) the 1/4" NPT connection selection 1.  
For Hoke valve select for designator (7) the Hoke connection selection 2.
- (3) Select from the "options" designator one or more options and fill in all these letters in the same column.

**Mechatest Sampling Solutions**  
Tel: +31(0)153105183  
sales@mechatest.com  
www.mechatest.com

Koperslager 3  
2631 RK Nootdorp  
The Netherlands  
**Be part of the best solution**



Mechatest is a Certified Industrial Sampling Systems Company with over 26 years of experience in design and manufacturing of fluid sampling systems. We understand how a sample behaves at the sample tap and transport into the lab. We offer the best knowledge, equipment and sampling solutions in the field.